

students each select their home, people constantly, to achieve high efficiency.

These practices are very worthy of the Chinese side for dressy and learning.

Since Russia and China to different environmental, lifestyle and social history of the process, so Russia and China since ancient times the formation of two kinds of meaning and different forms of cultural patterns. On higher education, only the combination of the basic national conditions, follow the which found the law and learn from others the advantages to find the most suitable development path and direction.

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### **CHINESE HIGH EDUCATION (UNIVERSITY)**

### **ВЫСШЕЕ ОБРАЗОВАНИЕ В УНИВЕРСИТЕТАХ КИТАЯ**

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**Abstract:** this article gives a comparative analysis of the following education systems: Chinese and American. The basis for such a comparison is the criterion of effectiveness of practical training within the higher school. The need to expand practical training in higher educational institutions of China is the central thesis of the article.

**Keywords:** practical teaching; educational system; innovation.

**Аннотация:** данная статья представляет собой сравнительный анализ двух систем образования: китайской и американской. Основанием для сравнения служит критерий эффективности

практического обучения в рамках высшей школы. Необходимость расширения практического обучения в высших учебных заведениях Китая является центральным тезисом данной статьи.

**Ключевые слова:** практическое обучение; системы образования; инновации.

Comparing Chinese students and American students, believe that everyone has such a consensus: Chinese students are strong in theoretical knowledge, the examples of Chinese students in international knowledge competition are everywhere, this is not inferior to American students, but it is worse in practice. Is our students born stupid, American students are born good at hand? Of course not, so what is the cause of this gap? And what aspects should start to change this situation? As a teacher in the university for many years of practice teaching, combined with the present situation of college students, talk about some experience.

The engineering practice ability of engineering graduates is one of the most concern ability of employers, how to strengthen the cultivation of practical ability and innovative spirit of college students is an important subject for educators or administrators. Some universities don't really know the importance of practical teaching, lack of enough understanding of the development of society, especially the scientific research on the demand direction of social talent, and still associate with traditional teaching mode. Even if the practice teaching is set up, its content is relatively simple, and the number of comprehensive, designed and innovative experiments is relatively small.

The problems of contemporary college students. In the relationship between theory and practice, some students theory and practice. In school, the practice of contempt, only focus on theoretical learning. In the relationship between knowledge and ability, some students ignore their own ability cultivation, has not really realized the importance of the synchronous growth of knowledge and ability, and there are abnormal phenomena of high score and low energy. In the relationship between individual and collective, some students have the «view of talent», lack of teamwork spirit and collective honor. The causes of the above problems are many, not only the influence of traditional ideas, but also the political ideological work in colleges and universities is not in place, and today the college students out of labor, graduation is also a very important reason. This» out of» reason is related to some drawbacks in the current education system in China. From primary to middle school, from the process of learning to university, the basic is the score as the only basis, forcing students to pay attention to the learning of the knowledge of book theory, thus ignoring the cultivation of practical ability.

Problems in the current education system. The task of higher education is to cultivate advanced specialized talents with innovative spirit and practical ability, to develop science and technology culture and to promote the construction of socialist modernization. Strengthening practical teaching and cultivating innovative talents are the common goals and tasks of colleges and universities. The cultivation goal of science and engineering majors should be oriented to the grass-roots, the production front line, and transport more high-quality expertise for the national construction. College students majoring in science and engineering should be a new engineering and technical personnel with theory, technical knowledge, good management and operation. To improve the overall quality of college students, so that training talents can meet the national needs and social needs, there are many problems, but there is no doubt that the important role of practice in growth. Practice can not only enable students to learn knowledge, but also improve the practical ability of students. University as the most critical stage of training talents, it has the unavoidable responsibility to college students' practice ability. Of course, the university, even with a heart to change the practice of college students poor practical ability is not to be difficult. There are some unreasonable places in the current education system. First, the current education model imbalance. Higher education should be the practice teaching and theoretical teaching, and practice teaching and theoretical teaching are interrelated, intercross, penetrate each other, organically combine and develop synchronously. In fact, most colleges and universities are heavy theory teaching, light practical teaching. Heavy knowledge, light ability, heavy software, light hardware, heavy design, qinggongyi phenomenon abound. In recent years, the education reform has gradually introduced general education in the undergraduate education, but this » general » refers to the number, management, transformation, sports, ideological and political, English and computer, and does not contain or rarely contain practical teaching. Although some courses set the practice teaching link – shi, but almost are regarded as the supporting link of theoretical teaching, used to verify theory, consolidate classroom knowledge, lack of systematic practice training. Secondly, under the current education system, the academic burden of students is too heavy. Students busy all day in class, weary in the exam, very few free time, have to compress the practice, lost the opportunity to improve the ability to practice innovation at the university stage. Finally, the teaching evaluation system under the current education system is defective. The higher the students' courses, the more they are recognized as excellent, and the more affordable in terms of employment and employment. Because the practice innovation ability is not quantitative assessment, so that the curriculum score becomes the synonym of the strength of practical innovation ability. This is not fair and needs to be improved.

The difference of the growth environment of Chinese and American students.

The practice ability of college students is poor, although the practice teaching is not paid enough attention to the current education system, but is closely related to Chinese traditional thought and educational environment. Comparing Chinese and American education, we find that the two are different.

Differences in starting points. Parents are the initial teacher of the child, the correct or not of the children's educational methods directly affect the growth of the future children. In our country, the children have broken down the computer, often be scolded by their parents, think the child mischievous, Eventful; In America, parents often say it doesn't matter, enthusiastically encouraging children and praising children. In the United States, when Childhood walks and falls, parents encourage the child to climb; In our country, parents must feel distressed immediately ran the past to hold the baby.

The difference of growth environment. In the United States, the concept of self-reliance, even if the parents home, the child to make money after growing up. Many parents no longer provide living expenses after the children's university, allowing them to use their spare time or weekends to earn money. Americans consider how to develop their children's self-reliance, survival, and how to adapt to society in the future, and the Chinese consider how to let their children eat full, shuinuan, dressed.

The difference of ideological concept. The traditional education thought in China is the repeated texts light industry, heavy theory light practice. «Every kind inferior, only reading high», this misconception continues to the present. Learning technology is a front-line worker, I am a manager, lead the workers, this concept is deep-rooted.

The combination of in-school and out-of-school practice. This is a powerful guarantee to strengthen the practice teaching. School-enterprise cooperation is an effective mode to improve students' practical ability. After the students can master certain professional skills through the practice of intramural practice, they must also go to the production, construction and management of the front line to meet the needs of employment. Intramural practice includes curriculum experiment, curriculum design, graduation design and practice competition, among which the most important and the most guarantee is the metalworking practice commonly set in colleges and universities. Off-campus practice is mainly to let students go to the grass-roots level, early experience of the environment and atmosphere, and use their knowledge to solve some practical problems, improve the level of practice. Practice teaching close to the production practice, with the atmosphere of engineering practice, can fundamentally give students the inspiration of practice. Practice is not only an effective way

to improve students' practical ability, but also laid a foundation for cultivating students' innovative ability.

Discard the traditional ideas and establish the correct new ideas. Music art is special, do practice is not special skills? Reading and writing to start from the doll, don't practice need to start from the doll? The level of practice innovation of contemporary college students directly related to the national prosperity and national progress, which is not a speech by the national leaders, make a resolution, a document can be solved, it needs the efforts of all Chinese people, and need several generations to struggle.

Strengthening the practice teaching is the key to cultivate innovative talents. The introduction of a engineering practical problem often leads to the birth of a new technology. If the lack of practical teaching, it is delusional to propose a engineering issue. For university education, the best way to improve college students' practical innovation ability is to strengthen practical teaching. Innovation based on practice, from practice, can be without exaggeration that there can be no innovation without practice. At all times, the creation of any invention is not in practice and is promoted and developed in practice. Compared with the theory teaching, the present university practical teaching is still at the primary stage of development.

To improve the practical ability of college students' subject competition. The school actively supports and encourages university students to participate in various disciplines competitions. College students participate in the national, provincial and municipal electronic design competition, mathematical modeling competition, mechanical innovation design competition, ACM / icpc, robot competition, college students' e-commerce competition,» challenge cup» college students' entrepreneurship plan and extracurricular science and technology works competition to provide the stage for college students' innovative practice ability. Through all kinds of competition activities, the students are motivated to carry out scientific and technological innovation and entrepreneurship, providing opportunities for college students to carry out scientific and technological innovation.

Strengthening the construction of Professional College with Bipolar Teaching teachers. In order to complete the practical teaching task of high quality, we must build a theoretical communication practice, have strong practical application ability, master the high quality of the relevant professional skills. Improve the» duple teacher» quality of existing teachers by supporting teachers to participate in production, research, enterprise training, participate in the application of project research, and participate in professional skills training. At the same time, also actively introduce the engineering technical personnel and managers who have practical work experience and have solid theoretical foundation to

enrich the teachers; It is an effective way to improve the structure of teachers and to strengthen the practice teaching. To change the present situation of practice teaching subordinate to theory teaching, we should involve high level theory teachers in practice teaching, practice teaching management and research, form a complete practical teaching system. The introduction of theory teachers into the management of special laboratory can not only solve the problem of personnel shortage, make the theory teachers better go into the laboratory, but also conducive to the improvement of teaching research level. The establishment of scientific organization teachers to industry practice training system, to increase teachers' work experience and practical experience, so that practice teaching is more rich, more dynamic and more effective. As a running independent college for 12 years, Xiamen university jiageng college has been award-winning in all kinds of provincial competitions over the years. Dai A peak, deputy dean of the school, said, mainly thanks to the college to practice teaching as a kind of educational concept emphasizing ability cultivation to train students. Dai A peak said that when practice teaching as an educational concept runs through the whole process of teaching, the various teaching forms, teaching activities, teaching links and teaching methods of this idea constitute the extension of practice teaching.

With the rapid development of science and technology, contemporary college students as the future to promote the development of the main force, to consciously pay attention to theoretical knowledge learning, but also cannot ignore the cultivation of practical ability. As long as the colleges and universities, college students and the society concerned from the practice teaching, and effectively ensure the effective implementation of practical teaching activities, it can effectively improve college students' practical ability and innovative spirit. To work together for our motherland and development tomorrow.